

Converting Colors

$Y_{xy}(70.2752, 0.3188, 0.3357)$

Have a look what the booklet for
Yxy(70.2752, 0.3188, 0.3357)
contains.

Yxy(70.2684, 0.3189, 0.3356)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.2684, 0.3189, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	DDDAD4
RGB	221, 218, 212
RGB Percent	87%, 85%, 83%
CMY	0.1334, 0.1451, 0.1686
CMYK	0.00, 0.01, 0.04, 0.13
HSL	40°, 12%, 85%
HSV	40°, 4%, 87%
XYZ	66.7717, 70.2684, 72.3413
YIQ	218.2130, 3.7140, -1.2300

Conversions

Conversions Part 2

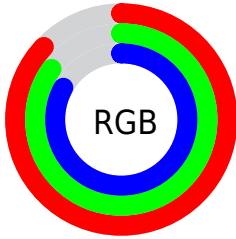
Format	Color
R _Y B	217, 221, 212
Decimal	14539476
CIE Lab	87.13, -0.04, 3.29
CIE LCh	87, 3.290, 90.629
Yxy	70.2684, 0.3189, 0.3356
Android (android.graphics.Color)	4292729556 (0xFFDDDAD4)
YUV	218.2130, -3.0630, 2.4442
Hunter-Lab	83.8262, -4.5119, 7.5117

Details

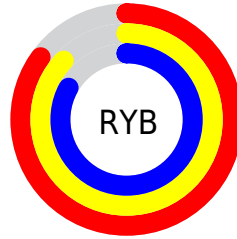
The Yxy color **70.2684, 0.3189, 0.3356** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.8166, 0.3066, 0.3223**, and the grayscale version is **70.2862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7357, 0.3209, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **65.5110, 0.3353, 0.3525**, and if you desaturate by 10%, it is **75.3529, 0.3041, 0.3196**.

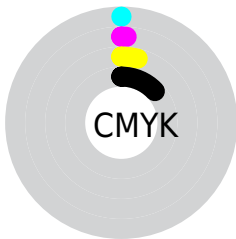
Distribution



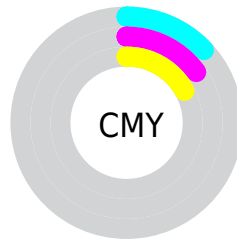
- Red (87%)
- Green (85%)
- Blue (83%)



- Red (85%)
- Yellow (87%)
- Blue (83%)



- Cyan (0%)
- Magenta (1%)
- Yellow (4%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2684, 0.3189, 0.3356 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 70.2684, 0.3189, 0.3356 by changing the saturation by 10% instead.

■ 70.2684, 0.3189,
0.3356

■ 70.2684, 0.3189,
0.3356

461.4918, 0.3160,
0.3325

■ 51.7454, 0.3196,
0.3363

119.5914, 0.3179,
0.3345

■ 36.8022, 0.3204,
0.3372

151.1602, 0.3175,
0.3341

■ 25.0543, 0.3214,
0.3383

187.8464, 0.3172,
0.3338

■ 16.1176, 0.3228,
0.3398

230.0344, 0.3169,
0.3335

■ 9.6074, 0.3247,
0.3418

278.1085, 0.3166,
0.3332

■ 5.1394, 0.3275,
0.3448

332.4532, 0.3164,

■ 2.3293, 0.3320,

0.3329

393.4528, 0.3162,
0.3327

0.3495

0.7892, 0.3456,
0.3641

0.0000, 0.0000,
0.0000

70.2684, 0.3189,
0.3356

70.2684, 0.3189,
0.3356

65.5110, 0.3353,
0.3525

75.3529, 0.3041,
0.3196

61.0632, 0.3533,
0.3700

80.6848, 0.2916,
0.3059

56.9193, 0.3727,
0.3877

84.9163, 0.2919,
0.3136

53.0700, 0.3933,
0.4048

89.3224, 0.2921,
0.3212

■ 49.5053, 0.4144,
0.4205

■ 93.9050, 0.2923,
0.3286

■ 46.2144, 0.4353,
0.4337

■ 94.1098, 0.2923,
0.3289

■ 43.1854, 0.4549,
0.4433

■ 40.4047, 0.4723,
0.4482

■ 37.8565, 0.4866,
0.4480

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.2684, 0.3205, 0.3336



70.2684, 0.3189, 0.3356



70.2684, 0.3156, 0.3359

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2684, 0.3189, 0.3356



70.2684, 0.3055, 0.3276



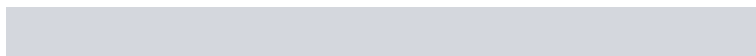
70.2684, 0.3138, 0.3239

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70.2684, 0.3189, 0.3356



67.8166, 0.3066, 0.3223

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.2684, 0.3098, 0.3223



70.2684, 0.3189, 0.3356



70.2684, 0.3050, 0.3244

Square

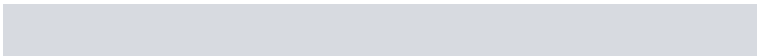
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.2684, 0.3189, 0.3356



70.2684, 0.3079, 0.3312



70.2684, 0.3066, 0.3225



70.2684, 0.3176, 0.3268

Rectangle

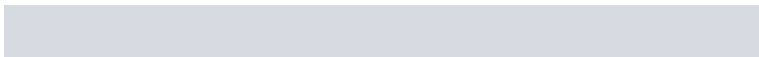
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2684, 0.3189, 0.3356



70.2684, 0.3130, 0.3350



70.2684, 0.3066, 0.3225



70.2684, 0.3125, 0.3232

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



70.2714, 0.3189, 0.3356



99.2981, 0.3142, 0.3306



67.3717, 0.3173, 0.3257



21.2613, 0.3142, 0.3305



0.0000, 0.0000, 0.0000



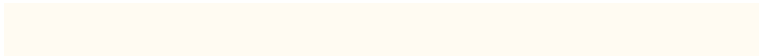
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.2714, 0.3189, 0.3356



96.5357, 0.3204, 0.3372



71.5956, 0.3176, 0.3389



14.8862, 0.3214, 0.3382



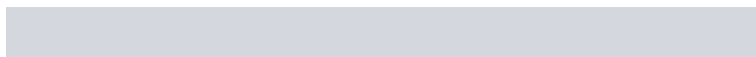
21.3867, 0.4924, 0.4472



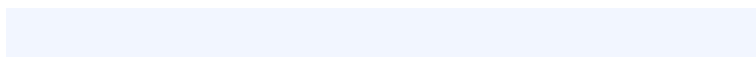
1.5412, 0.4776, 0.4590

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



67.8166, 0.3066, 0.3223



92.3463, 0.3051, 0.3206



66.5377, 0.3077, 0.3190



14.1610, 0.3041, 0.3196



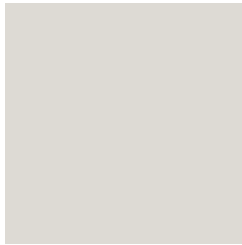
6.0133, 0.1634, 0.1083



0.5447, 0.1726, 0.1413

Previews

White Background



This preview shows how the Yxy color 70.2684, 0.3189, 0.3356 looks on a white background.

Color Contrast Check

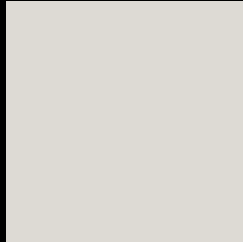
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 70.2684, 0.3189, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

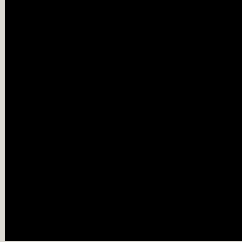
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

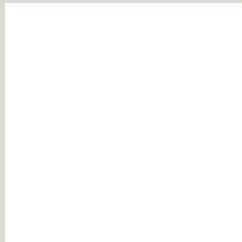
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2684, 0.3189, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 70.2684, 0.3189, 0.3356.

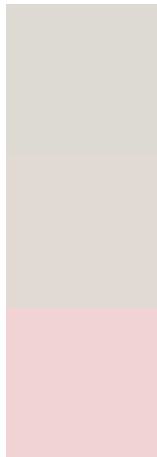


This preview shows how white text looks on a background with the Yxy color 70.2684, 0.3189, 0.3356.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

70.2684, 0.3189, 0.3356

Protanopia

70.2265, 0.3212, 0.3345

Deuteranopia

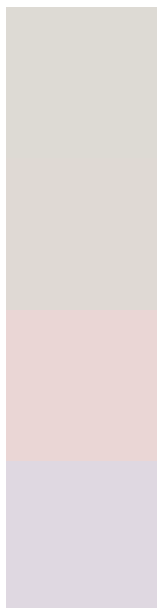
70.0934, 0.3339, 0.3270



Tritanopia

70.2744, 0.3078, 0.3108

Trichromacy



Original Color

70.2684, 0.3189, 0.3356

Protanomaly

70.0671, 0.3205, 0.3345

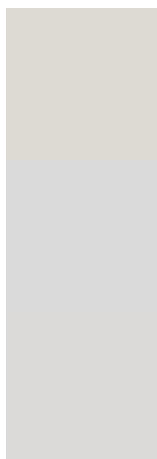
Deuteranomaly

70.3897, 0.3282, 0.3301

Tritanomaly

70.2360, 0.3117, 0.3193

Monochromacy



Original Color

70.2684, 0.3189, 0.3356

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.1607, 0.3148, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2684, 0.3189, 0.3356 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(221, 218, 212) looks like.

```
.text, #text, p{  
    color:rgb(221, 218, 212)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(221, 218, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 218, 212) }
```

Border

The CSS property to change the border of an element to Yxy 70.2684, 0.3189, 0.3356 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(221, 218, 212) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(221, 218, 212) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(221, 218, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 218, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 218, 212); box-shadow:4px 4px 4px 4px rgb(221, 218, 212) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2684, 0.3189, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 218, 212) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(221,  
218, 212) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor